

WHAT IS CLAIMED IS:

1. A liquid crystal display having a conversion board for basically receiving an outside power supply and a digital
5 data signal including a dot signal, wherein the conversion board comprises;

a digital signal receiver for receiving the outside power supply and the digital data signal including the dot signal; and

10 a comparator for comparing whether a frequency of a dot signal is higher than a frequency used in a driving device for the liquid crystal display or not.

2. The liquid crystal display according to claim 1,
15 wherein, when the frequency of the dot signal is higher than a minimum frequency capable of operating a timing controller or a driving device, the frequency of the dot signal is divided by 2, the 2-divided signals are outputted through two channels and the digital signal is applied to a module of the
20 liquid crystal display by means of the two channels, and when the frequency of the dot signal is lower than the minimum frequency capable of operating a timing controller or a driving device, the dot signal is outputted through one channel and the digital signal is applied to the module of

the liquid crystal display by means of one channel.

3. The liquid crystal display according to claim 1 or 2,
wherein, in order to determine the frequency of the dot
signal, either a vertical frequency signal or a horizontal
5 frequency signal included in the digital data signal is
applied to the comparator.